

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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S. Michael Tymiak, P.E.  
Manager, Previously Operated Properties  
Environmental Resources  
Koppers Company Inc.  
1940 Koppers Building  
436 Seventh Avenue  
Pittsburgh PA 15219

Re: Koppers South Cavalcade site

Dear Mr. Tymiak:

The EPA has reviewed and approved Koppers' Sampling and Analytical Plan (SAP) for the South Cavalcade site, Kopper's cover letter dated October 9, 1985. EPA approval is contingent upon the following changes to the SAP. These changes are the result of a mutual agreement between EPA and Koppers as discussed by Mr. Cochran and Mr. Campbell in their telephone conversation of October 23, 1985.

- 1) Trip Blanks - When sampling surface water, surface sediment and groundwater, (Sections 2.5, 3.5 and 5.6) one trip blank shall be "collected" per media per day. If surface water and surface sediment samples are collected on the same day, then one trip blank shall suffice for both media. Trip blanks shall be analyzed for Volatile Organics only.
- 2) Field Blanks - Field blanks for soil analysis (Section 4.5) are dropped from the sampling schedule. Per page 17 of the User's Guide to the Contract Laboratory Program, October 1984, soil blanks will not be collected in the field.
- 3) Analysis of Duplicate Soil Samples - The footnote (a) under Section 4.5 shall be deleted and the 36 (or correspondingly appropriate number of) duplicate samples referenced in Section 4.5 shall be tested using the Total Petroleum Hydrocarbons surrogate methodology. Further, an additional 10% of the samples specified for full scale laboratory analysis (Section 4.6) shall also be analyzed as duplicates using the methodologies specified in Section 4.6. The samples analyzed in duplicate under the surrogate program need not be the same samples that are analyzed by full laboratory methodology.

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- 4) Drilling Methodology - The full scale drill rig soil samples (Section 4.2) shall be collected using dry hollow stem auger techniques. The monitoring wells shall also be installed using dry hollow stem auger techniques (Section 5.3).
- 5) Sample Bottles for Archived Samples - The sample bottles for the archived soil samples must be detergent washed and heat dried. Detergent washed bottles are adequate because; a) archived samples will be compromised anyway because of the holding times, b) possible contaminants from the detergent wash are different from the possible site contaminants, and c) archiving the samples is above and beyond the call of duty and this extra effort need not be unduly burdensome.

Should you have any questions please contact Mr. Cochran at (214)-767-9763.

Sincerely yours,

Larry Wright  
Chief, Superfund Enforcement

cc: C. Faulds, TWC

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